

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Wouters et al.

**Serial No.:** To Be Assigned

**Filed:** February 9, 2001

**For:** ANTIBODIES FOR USE IN  
TARGETED AND TEMPORARY  
TREATMENT OF HUMANS AND  
ANIMALS

**Examiner:** To Be Assigned

**Group Art Unit:** To Be Assigned

**Attorney Docket No.:** 4753US

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**Preliminary Amendment**

BOX PATENT APPLICATION  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Before examination and calculation of the filing fees, please amend the referenced application as follows:

**IN THE CLAIMS:**

3. (Amended ) The antibody, or fragment thereof, of claim 1 [or claim 2], characterized in that the specifically chosen binding conditions and the conditions under which the bond is broken are dependent upon pH.

9. (Amended ) The antibody, or fragment thereof, of claim 1 [or claim 2], characterized in that the specifically chosen binding conditions and the conditions under which the bond is broken are dependent upon ion strength.

13. (Amended ) The antibody, or fragment thereof, of [any of the foregoing claims] claim 1, characterized in that the antibody, or fragment thereof, comprises a F(ab), F(ab)', F(ab)'<sub>2</sub> or an scFv.

14. (Amended ) The antibody, or fragment thereof, of [any of the foregoing claims] claim 1, wherein said antibody, or fragment thereof, is capable of use in a targeted or temporary diagnostic, therapeutic and cosmetic treatment of externally accessible parts of a human or an animal body.

20. (Amended) The antibody, or fragment thereof, of [any of foregoing claims 2 through 19] claim 2, wherein the diagnostically, therapeutically or cosmetically active substance comprises an enzyme.

27. (Amended) The antibody, or fragment thereof, as claimed in any of foregoing claims 2 through 26] of claim 2, wherein the diagnostically, therapeutically or cosmetically active substance comprises a fluorescent or radioactive substance.

28. (Amended) The antibody, or fragment thereof, of [any of foregoing claims 2 through 27] claim 2, wherein the antibody, or fragment thereof, is capable of binding an epitope of a pathogenic micro-organism or other pathogenic compound.

30. (Amended) A composition comprising:  
at least one antibody, or fragment thereof, as claimed in [any of claims 1 through 29] claim 1; and  
at least one physiologically acceptable dilutent, solvent or carrier.

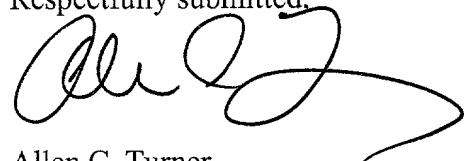
31. (Amended) A composition useful as a teeth cleaning agent, mouthwash, mouth spray, chewing tablet, chewing gum, cream or ointment comprising:  
at least one antibody, or fragment thereof, as claimed in [any of claims 1 through 29] claim 1; and  
at least one physiologically acceptable dilutent.

32. (Amended) A method for manufacturing a medication for targeted or temporary treatment of externally accessible parts of a human or an animal body, comprising:  
providing an antibody, or fragment thereof, as claimed in [any of foregoing claims 1 through 29]  
claim 1.

**Remarks**

The application is to be amended (without prejudice or disclaimer) as previously set forth which should not be viewed as narrowing or limiting the claims. The amendments are sought to conform the application to a form more consistent with Office practice by removing multiple dependencies. It is respectfully submitted that no new matter has been added by the amendments. If any questions remain after consideration of the instant amendments, the Office is kindly requested to contact applicants' attorney at the address or telephone number given herein.

Respectfully submitted,



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Date: February 9, 2001